Original/Duplicate/Triplicate

1st and Final bill

CONTRACT CERTIFICATE

Reference paras

Dasarahalli — Sub division T Dasarahalli — Date

Date — Sub-divisional — Cash book vr No

Bill received No — Divisional — Date

Head of account

Scheduled Docket No

Name of work(as per sanctioned estimate) **NAME OF WORK : Improvements to roads and drains at Ganapathi Badavane 1st main roads & other Cross roads in Ward No.14, Bagalagunte**

Work Code 014-19-000064

Technical Manager, KRIDL

Name of contractor and full address :

Work order No : EE/DD/WO/87/17-18

Reference to agreement No : 87/2017-18 — Estimated cost 50.00 lakhs — Date 20/11/2018

Certified that the measurements were taken by me on 16/3/2018 and recorded on pages 58333 to 58339 of measurment book No 586/2017-18 and the work is satisfactorily executed by the contractor

Certified in Charge of Work

Signature of contractor

EXECUTIVE ENGINEER-1 KRIDL, BBMP DIVISION BENGALURU-560 010

Certified that the measurements were taken by me on 19/3/18 and recorded correct.The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of account I have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional Officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	I and Final Bill →	4998546:00
2) Deduct amount to be held in reserve being ---percent Rs ---%	Balance →	44971:00
3)	I.T →	24992:00
4) Deduct payments	FSD →	9998:00
a) Amount of previous payment as in divisional/sub divisional cash book vr No ---dated ---S.D No ---Amount adjusted towards cash advance recovery of	LBCS →	4999:00
	CBE →	4998:00
b) Cost of payments/stores or other materials supplied now made recovery of	Labour Cess →	24992:00
Amount paid on this bill by cheque/cash	Total	564768:00
	SB,ST →	49985:00
	SB,ST →	49985:00
5). Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.	Net Amount →	4433772:00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to sl(ecss detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs ---(in words)

For use in the Executive Engineer's office

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment

EXECUTIVE ENGINEER-1 KRIDL, BBMP DIVISION BENGALURU-560 010

Received and acknowledged Rs. 4998546:00

Passed the Cheque for Rs. 4433772:00

EXECUTIVE ENGINEER-1 KRIDL, BBMP DIVISION BENGALURU-560 010

by a/c 564768:00

Accounts Superintendent — Executive Engineer

BBMP Dasarahalli Division

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Sl. No	Items of Work (grouped under sub headsthe sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum			860.96	86.92	74835.00	860.96	74835.00
2	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) complete as per the direction of Engineer-in-charge of the work.	Cum			438.03	320.12	140222.00	438.03	140222.00
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum			70.74	5159.02	364949.00	70.74	364949.00
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Sqm			1572.00	310.58	488232.00	1572.00	488232.00
5	Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008- i) Upto 5 m height complete as per the direction of Engineer-in-charge of the work.	Cum			141.45	6965.26	985236.00	141.45	985236.00

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						Reference paras				
6	Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications complete as per the direction of Engineer-in-charge of the work.	tonne				11.086	66482.14	737021.00	11.086	737021.00
7	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials	Sqm				353.70	1698.00	600583.00	353.70	600583.00
8	Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material complete as per the direction of Engineer-in-charge of the work	Cum				97.34	1518.98	147858.00	97.34	147858.00
9	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications complete as per the direction of Engineer-in-charge of the work	Cum				223.88	1768.08	395838.00	223.88	395838.00
10	Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of .60kg /sqm using mechanial means complete as per Specifications. complete as per the direction of Engineer-in-charge of the work	Sqm				973.40	27.56	26827.00	973.40	26827.00

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11	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications complete as per the direction of Engineer-in-charge of the work	Sqm			973.40	11.66	11350.00	973.40	
12	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work	Cum			48.67	5129.34	249645.00	48.67	24
13	Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with Mechanical paver Gr II (30mm to 45mm) with 6% VG-Bitumen complete as per the direction of Engineer-in-charge of the work	Cum			29.20	7083.98	206852.00	29.20	206852
14	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM	Cum			860.96	85.65	73741.00	860.96	73741.00

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Sub Total					4563189.00	4563189.00
ESIC, GST & Labour Cess charges (1+2+3+4+5%)					499101.00	499101.00
Total					4998540.00	4998540.00

Certificate

Certified that the contractor has work done satisfactorily
The contractor has removed the debries from work site
There is no govt. materials issued to the contractor

Assistant Engineer
ward 14

Executive Sub Engineer 29/5/14

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